

Study Number: C11049-02
Test Type: TOX
Route: Nose-Only Inhalation
Species/Strain: Mouse/B6C3F1/N

I04G: Mean Body Weight Gain
Test Compound: Trimethylsilyldiazomethane
CAS Number: 18107-18-1

Date Report Requested: 10/22/2020
Time Report Requested: 07:53:21
Lab: Battelle

Study Number: C11049-02
Study Gender: Male
PWG Approval Date: See web page for date of PWG Approval
Version: v1.0.8

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Males: 1 Day Exposure

Phase	Days	Treatment Groups (ppm)					
		0		10		25 ppm Hexanes	
		Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N
SD	0 - 1	-0.2 ± 0.1	8	-0.3 ± 0.5	8	-0.3 ± 0.4	8

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Males: 1 Day Recovery

Phase	Days	Treatment Groups (ppm)					
		0		10		25 ppm Hexanes	
		Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N
SD	0 - 1	-0.8 ± 0.4	8	-0.8 ± 0.1	8	-0.4 ± 0.2	8
	0 - 5	0.3 ± 0.3 **	8	-6.1 ± 0.6 **	4	0.5 ± 0.2	8
	0 - 9	0.7 ± 0.3 *	8	-6.5 ± 1.3 **	3	0.9 ± 0.3	8

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Males: 5 Day Exposure

Phase	Days	Treatment Groups (ppm)											
		0		0.3		1		3		10		25 ppm Hexanes	
		Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N
SD	0 - 1	-0.2 ± 0.2	8	-0.2 ± 0.1	8	-0.1 ± 0.1	8	-0.2 ± 0.2	8	-0.6 ± 0.2	8	0.2 ± 0.1	8
	0 - 5	-0.8 ± 0.2 *	8	-0.4 ± 0.2	8	-0.3 ± 0.1	8	-3.5 ± 0.3 **	8	NR		-0.6 ± 0.5	8

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Males: 5 Day Recovery

Phase	Days	Treatment Groups (ppm)											
		0		0.3		1		3		10		25 ppm Hexanes	
		Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N
SD	0 - 1	-0.0 ± 0.2 *	8	-0.1 ± 0.1	8	-0.1 ± 0.1	8	-1.9 ± 0.5 **	8	-0.4 ± 0.1	8	-0.2 ± 0.1	8
	0 - 5	-0.6 ± 0.3 **	8	-0.5 ± 0.3	8	-0.5 ± 0.1	8	-4.8 ± 0.3 **	8	NR		0.1 ± 0.3	8
	0 - 9	0.3 ± 0.3 **	8	1.1 ± 0.3	8	-0.9 ± 0.3 *	8	-7.4 ± 0.3 **	8	NR		0.8 ± 0.2	8

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LEGEND

Data are displayed as mean \pm SEM

SD – Study Day

Statistical analysis of weight data performed by Jonckheere (trend) and Williams or Dunnett (pairwise) tests.

Statistical analysis for the negative control group compared to the vehicle control group was performed using the t-Test.

Statistical significance for the control group indicates a significant trend test

Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group

* Statistically significant at $P \leq 0.05$

** Statistically significant at $P \leq 0.01$

The 1 Day Exposure animals were exposed for one day and then sacrificed on study day 1 (first day of exposure was study day 0); the 1 Day Recovery animals were exposed for 1 day and then sacrificed on study day 9; the 5 Day Exposure animals were exposed for five days and then sacrificed on study day 5; the 5 Day Recovery animals were exposed for five days and then sacrificed on study day 9.

NR not recorded

**** END OF REPORT ****